

# Arable Update

MAY 2021

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## Persistent rain brings Septoria into sharp focus at T2.

Cereal growers are facing important decisions as the vital T2 fungicide programme approaches.

Dry and cold conditions led to many farms skipping a T0 application, or significantly cutting rates as the perceived risk of infection was low.

Very little changed in the run-up to T1, meaning growers and their advisers opted for a limited SDHI or Azole-based programme.

But with T2 application due to get underway in the next few days, heavy rain in most parts of the UK since the May Bank Holiday has raised the risk of Septoria and rusts entering the crop.

Analysis by Microgenetics' SwiftDetect system has picked up high levels of latent infection, so the recent rain and rise in temperature means growers need to be on the lookout for Septoria at T2. Read our press release [here](#).

For Septoria, it is likely curative activity will be required alongside persistent and robust protection. Univoq™, containing Inatreq™ active in formulation with prothioconazole, will provide this along with protection from yellow and brown rust making it a great all-round choice.



Use rates can be expected to be between 1.1L/ha to 1.5L/ha. A rate of 1.25L/ha is a good starting point before considering varietal disease resistance, weather forecast, and disease pressure to fine-tune rates.

### Univoq resources:

- **Visit the Univoq technical product webpage [here](#).**
- **In case you missed it, you can watch 'An introduction to Univoq video' [here](#).**
- **Visit our [microsite](#) for virtual trials, downloadable resources and more.**

**Univoq™**  
Inatreq™ active  
**FUNGICIDE**

optimised with  
**i-Q4™**  
Technology

## #FollowTheCrop

Sally Egerton, Corteva's UK and Ireland Technical Manager, analyses a crop of Wolverine in Shropshire on 14 May ahead of its flag-leaf T2 fungicide application.

In this video, Sally identifies that there is Septoria in the base of the crop which, given the wet and warm prevailing conditions, could create the environment for disease to spread rapidly to the top leaves, damaging the plant and potentially limiting the yield potential. Sally advises an application of Univoq fungicide at 1.25l/ha.

**Watch the video [here](#).**



# Spring barley weed control with Arylex based products.

Control of broad-leaved weeds in spring barley will be more difficult this season. Spray days are likely to be limited with a backlog of delayed on farm activities to fit in following the recent significant rainfall, so growers must make the most of the first opportunity to hit weeds hard now that they have emerged.

Where residuals have been applied, dry conditions will impact weed control, so a spring contact follow-up will be vital in taking out competitive weeds.

## Spring barley weeds.

Key broad-leaved weeds in the spring barley crop include cleavers, *Polygonum* species, such as black bindweed, fat hen and chickweed. Cleavers, though competitive, are less of an issue in spring barley. Chickweed control on the other hand has become a challenge, because it is estimated that in Scotland, 50% of the population is believed to be resistant to the sulfonyl-urea (SU) herbicides.

Where spring barley is grown in traditional wheat areas, SU resistant poppy could also be an issue, with few options for control.



Other weeds have also become difficult to control, although these are not thought to be resistant. Of these, fumitory has become the most problematic, because it is not adequately controlled by SU's nor phenoxy herbicides and can be a real pain in spring barley crops when left uncontrolled.

Another key issue for spring barley weed control, particularly in Scotland, is the effect of temperature on herbicide performance. Many herbicides work best when conditions are warm and often performance can be compromised if conditions are cold. SU herbicides in particular are affected in this way.

But there is clear evidence that a significant yield benefit can be derived from treating weeds early in the season.

To take out weed competition early, choose a herbicide that is not affected by cold conditions. The introduction of herbicides based on Arylex™ active provide excellent performance in colder and more variable conditions and although a synthetic auxin, it differs completely from other synthetic auxins such as fluroxypyr because it has a much wider window of application.

## Arylex benefits:

- Outstanding cleaver control.
- Fast acting, even when weather conditions are marginal, allowing early removal of weed competition.
- Flexible application window from GS13 to GS45, beyond both SU and the phenoxy herbicides.
- Excellent activity against fumitory not adequately controlled by SU or phenoxy herbicides.
- Effective against ALS resistant weeds such as chickweed and poppy.
- The only real solution for SU resistant poppy if no autumn pendimethalin has been applied.
- A wide range of tested tank-mix compatibilities that allow you to complete the weed spectrum by adding other herbicides such as Harmony M for boosting control of the *Polygonum* and *Umbelliferae* species for example.

## Why choose Arylex for spring barley weed control?

Many of the most difficult weeds to control in spring barley, namely cleavers, black bindweed, fat hen, chickweed and fumitory, are well controlled by Arylex™ active. It also provides effective control of cranes-bill and is a useful addition to the battle against resistant chickweed and poppy, providing an alternative mode of action to the SU herbicides.

**Zypar®**  
Arylex™ active

### HERBICIDE

Arylex active plus florasulam has a wide spectrum and brings in control of mayweed and brassica weeds in addition to the core Arylex species.

**Pixxaro® EC**  
Arylex™ active

### HERBICIDE

Arylex active plus fluroxypyr has a narrower spectrum, but does include fluroxypyr as an additional mode of action for control of SU resistant chickweed.

# PT299 oilseed rape.



Choose **PT299** for the highest oil content of any variety in AHDB RL Trials and superior RLM 7 enhanced stem canker resistance.

PT299 has been chosen as a Candidate for the AHDB Recommended List East/West region because of its true agronomic merit.

High seed yields, an exceptional 47% oil content and robust stem canker resistance all combine to give growers a high yield with the promise of the highest oil bonus possible from your grain merchant.

PT299, the 47% oil hybrid!



Variety	Seed Yield	Oil Content	Seed Yield	Oil Bonus Payment	Oil Bonus Payment	PT299 £ per ha Advantage
	Index as % of control varieties	%	t/ha	£ per tonne	£ per ha	
PT299	106	47.0	4.56	42.00	191.44	-
DK Expansion	104	45.8	4.47	34.80	155.63	35.81
Elgar	99	45.2	4.26	31.20	132.82	58.62
Alizze	100	45.5	4.30	33.00	141.90	49.54
Nikita	95	45.5	4.09	33.00	134.81	56.63
Campus	103	45.7	4.43	34.20	151.47	39.96

Based on AHDB RL Trials 20/21 (East/West region)

Figures based on a crop value of £400/tonne, and an oil bonus payment of 1.5% for every % above 40%

# Zorvec Endavia - use in the programme.



Based on Zorvec active fungicide (Oxathiapiprolin), Zorvec Endavia is co-formulated with bentiavalicarb in a single five litre bottle, providing unrivalled protection from late blight for up to 10 days after application.

To get the best out of Zorvec Endavia, use preventatively in a block of two sprays at the rapid canopy phase for a clean start to your blight programme. Zorvec moves steadily into the leaf and stem tissue, then systemically upwards in the xylem, protecting new growth. This ensures exceptional protection from late blight for the whole plant, with the added benefit of curative activity, unrivalled persistence and a 10-day interval, saving on a spray during a particularly busy period in the season.

Adopting this approach provides the cleanest possible start for your crop and leaves the option of using a further two Zorvec sprays later in the programme at the stable canopy stage to ensure a blight free crop.



 **Our latest Late Blight 2021 technical briefing video is available to watch [here](#).**

If you missed our Zorvec email update last week, please be sure to update your communications preferences [here](#) and check the box for potatoes.

**BASIS**

**Subscribing to Corteva Agriscience™ Arable Update gives eligibility for 2 Crop Protection BASIS points annually.**

Please include course name '**Arable Update**' and number '**CP/100738/2021/g**' on your training record and send to: [cpd@basis-reg.co.uk](mailto:cpd@basis-reg.co.uk). These details apply until 31 May 2021.

We're here to help you.

## Corteva's Technical Services Team



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**USE PLANT PROTECTION PRODUCTS SAFELY. Always read the label and product information before use. For further information including warning phrases and symbols refer to label.**

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